From the INTERNATIONAL SEARCHING AUTHORITY

MERCHANT & GOULD P.C. Attn. Bruess, Steven C.

texed in egrence

P.O. BOX 2903 Minneapolis, Minnesota 55402-0903 UNITED STATES OF AMERICA	COMMUNICATION IN CASES FOR WHICH NO OTHER FORM IS APPLICABLE		
	Date of mailing (day/month/year) 23 / 06 / 2006		
Applicant's or agent's file reference			
758.1665WOI1			
International application No.			
PCT/US2005/009813	Date of mailing (day/month/year) 23/06/2006 REPLY DUE See paragraph 1 below International filing date (day/month/year) 23/03/2005 ys from the above date of mailing or, please find enclosed a copy of the end application. Please note that the 5-2006. ence.		
Applicant			
DONALDSON COMPANY, INC.			
1. REPLY DUE within XXXXXX	days from the above date of mailing		
X NO REPLY DUE			
2. COMMUNICATION:			
Further to your telephone call of toda corrected WO-ISA for the above mention new date of mailing of the ISR is 23-	ay, please find enclosed a copy of the ned application. Please note that the 06-2006.		
We wish to apologise for any inconven	ience.		
A copy of this letter and its enclosus Bureau of WIPO.	res has been sent to the International		
•			
	,		
Name and mailing address of the International Searching Authority	Authorized officer		

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

José-Antonio Almalé Murillo



From the INTERNATIONAL SEARCHING AUTHORITY

To: MEDCHAND C COLLD D C

NOTIFICATION OF TRANSMITTAL OF

Attn. Bruess, Steven C. P.O. Box 2903 Minneapolis, Minnesota 55402-0903 UNITED STATES OF AMERICA	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of mailing (day/month/year) 23/06/2005				
Applicant's or agent's file reference					
758.1665WOI1	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No.	International filing date				
PCT/US2005/009813	(day/month/year) 23/03/2005				
Applicant DONALDSON COMPANY, INC. 1. X The applicant is hereby notified that the international search Authority have been established and are transmitted herew	th report and the written opinion of the International Searching with.				
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clair When? The time limit for filing such amendments is nor International Search Report.					
Where? Directly to the International Bureau of WIPO, 3-1211 Geneva 20, Switzerland, For more detailed instructions, see the notes on the according to the second se	ascimile No.: (41-22) 338.82.70				
The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the li	h report will be established and that the declaration under International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) addition	onal fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has bee applicant's request to forward the texts of both the pro no decision has been made yet on the protest; the applicant is a second to the protest of	en transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices. Splicant will be notified as soon as a decision is made.				

4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2

NL-2280 HV Rijswijk

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

José-Antonio Almalé Murillo

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- (Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1 bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220							
758.1665WOI1	ACTION as w	well as, where applicable, item 5 below.							
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)							
PCT/US2005/009813	23/03/2005	24/03/2004							
Applicant									
DONALDSON COMPANY, INC.									
DUNALDSON COMPANI, 114C.									
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Americans to the International Bureau.	uthority and is transmitted to the applicant							
This International Search Report consists									
It is also accompanied by	a copy of each prior art document cited in th	nis report.							
Basis of the report									
 With regard to the language, the in language in which it was filed, unle 	nternational search was carried out on the b ess otherwise indicated under this item.	pasis of the international application in the							
The international s this Authority (Rule	search was carried out on the basis of a trar e 23.1(b)).	nslation of the international application furnished to							
b. With regard to any nucleo	tide and/or amino acid sequence disclose	ed in the international application, see Box No. I.							
2. Certain claims were foun	nd unsearchable (See Box II).								
3. X Unity of invention is lack	i ing (see Box III).								
4. With regard to the title,									
X the text is approved as sub	omitted by the applicant.								
the text has been establish	the text has been established by this Authority to read as follows:								
		•							
The same of the sa									
 With regard to the abstract, X the text is approved as sub 	omitted by the applicant								
the text has been establish	ned, according to Rule 38.2(b), by this Autho	ority as it appears in Box No. IV. The applicant							
may, within one month from	n the date of mailing of this international sea	arch report, submit comments to this Authority.							
6. With regard to the drawings,									
a. the figure of the drawings to be pu	iblished with the abstract is Figure No7_								
as suggested by th									
	Authority, because the applicant failed to su Authority, because this figure better character								
	published with the abstract.	terizes the invention.							



International application No. PCT/US2005/009813

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
The mental early as the mental and the mental approaches, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report
covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-20
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-20

An air filter comprising:
- a z-filter media pack comprising fluted media secured to facing media:

- a preform having a portion circumscribing the media pack; the preform including a housing seal support portion;

- a housing seal arrangement.

2. claim: 21

A method of making an air filter cartridge; the method including steps of:

- coiling a media arrangement comprising a fluted sheet secured to a facing sheet to form a media pack having the facing sheet directed to an outside; and,

- inserting the media pack into a preform having a core including a blade positioned to become inserted into the media pack during the step of inserting.

INT(NATIONAL SEARCH REPORT

PCT/US2005/009813

A. CLASS INV.	B01D46/52 B01D46/24	•								
According t	to International Patent Classification (IPC) or to both national classi	fication and IPC								
	SEARCHED									
B01D	ocumentation searched (classification system followed by classific	ation symbols)								
Documenta	ttion searched other than minimum documentation to the extent tha	t such documents are included in the fields se	arched							
Electronic d	data base consulted during the international search (name of data b	pase and, where practical, search terms used								
EPO-In	iternal, WPI Data, PAJ									
	·									
	ENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·								
Category °	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to claim No.							
Х	US 5 795 361 A (LANIER, JR. ET 18 August 1998 (1998-08-18)	•	1-20							
	column 1, line 64 - column 2, l column 3, line 51 - column 4, l figures									
X	EP 0 726 389 A (FILTERWERK MANN GMBH) 14 August 1996 (1996-08-14 column 3, line 28 - line 54 figure 2	1-20								
A	WO 03/084641 A (DONALDSON COMPAI 16 October 2003 (2003-10-16) cited in the application the whole document	1-18								
Furth	er documents are listed in the continuation of box C.	Patent family members are listed in	annex.							
° Special cat	egories of cited documents :	"T" later document published after the inten								
conside	nt defining the general state of the art which is not ered to be of particular relevance ocument but published on or after the international	or priority date and not in conflict with the cited to understand the principle or the invention	ory underlying the							
filing da "L" documer		"X" document of particular relevance; the cla cannot be considered novel or cannot be involve an inventive step when the doc	pe considered to ument is taken alone							
citation "O" docume	or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cla cannot be considered to involve an invo document is combined with one or more	entive step when the e other such docu-							
	leans nt published prior to the international filing date but an the priority date claimed	ments, such combination being obvious in the art. "&" document member of the same patent fa								
Date of the a	ctual completion of the international search	Date of mailing of the international search	h report							
10	August 2005	2 3. 06.	06 .							
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer								
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hilt, D								

INT()NATIONAL SEARCH REPORT

Information on patent family members

...ternational Application No

PCT/US2005/009813

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5795361	Α	18-08-1998	CA	2199590 A1	12-09-1997
EP 0726389	Α	14-08-1996	BR DE ES	9600553 A 19539463 A1 2118649 T3	30-12-1997 22-08-1996 16-09-1998
WO 03084641	Α	16-10-2003	AU CA CN EP JP MX US	2003226234 A1 2480740 A1 1652859 A 1494785 A2 2005521554 T PA04009678 A 2003217534 A1 2005022484 A1	20-10-2003 16-10-2003 10-08-2005 12-01-2005 21-07-2005 13-12-2004 27-11-2003 03-02-2005

PATENT COOPERATION TROATY

From the INTERNATIONAL SEARCHING AUTHORITY

То	:			PCT				
	see form	PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)				
				Date of mailing (day/month/year) see	e form PCT/ISA/210 (second sheet)			
1	licant's or agent's file form PCT/ISA/2			FOR FURTHER A				
1	national application T/US2005/00981		International filing date (c 23.03.2005	l day/month/year)	Priority date (day/month/year) 24.03.2004			
1	national Patent Clas 7. B01D46/52 B0	· · · · ·	both national classification	and IPC				
1 ''	icant NALDSON COM	MPANY, INC.	r					
1.	This opinion co	ontains indication	ons relating to the follo	owing items:				
-	Box No. I	Basis of the op	inion					
	Box No. Ⅱ	Priority						
	Box No. III	Non-establishn	nent of opinion with rega	gard to novelty, inventive step and industrial applicability				
	☑ Box No. IV	Lack of unity of		<i>,,</i>	The state of the s			
	⊠ Box No. V	Reasoned state applicability; cit	ement under Rule 43 <i>bis.</i> tations and explanations	.1(a)(i) with regard to a supporting such state	novelty, inventive step or industrial ement			
	☐ Box No. VI	Certain docum	ents cited					
	☐ Box No. VII	Certain defects	in the international appl	lication				
	☐ Box No. VIII	Certain observ	ations on the internation	al application				
2.	FURTHER ACT	ION						
	written opinion o the applicant cho	f the Internationa ooses an Authori eau under Rule	al Preliminary Examining tv other than this one to	Authority ("IPEA"). He can be care	usually be considered to be a owever, this does not apply where chosen IPEA has notifed the ional Searching Authority			
	submit to the IPE	A a written reply date of mailing o	/ together, where approp	riate, with amendmer	PEA, the applicant is invited to nts, before the expiration of three of 22 months from the priority date,			
	For further option	ns, see Form PC	T/ISA/220.					
3.	For further detail	s, see notes to F	Form PCT/ISA/220.					
Name	and mailing addres	ss of the ISA:		Authorized Officer				



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Hilt, D

Telephone No. +49 89 2399-6577



0 10/587766

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/009813

			AP20 Rec'd PCT/PTO 28 JUL 2006
	Box	No. I	Basis of the opinion
1.	With the la	regare angua	d to the language , this opinion has been established on the basis of the international application in ge in which it was filed, unless otherwise indicated under this item.
		langua	pinion has been established on the basis of a translation from the original language into the following age , which is the language of a translation furnished for the purposes of international search Rules 12.3 and 23.1(b)).
2.	With nece	regare ssary	d to any nucleotide and/or amino acid sequence disclosed in the international application and to the claimed invention, this opinion has been established on the basis of:
	a. typ	oe of n	naterial:
		as	equence listing
		l tab	le(s) related to the sequence listing
	b. for	mat o	f material:
		in v	vritten format
		in c	computer readable form
	c. tim	ne of fi	ling/furnishing:
		con	stained in the international application as filed.
		file	d together with the international application in computer readable form.
		furr	nished subsequently to this Authority for the purposes of search.
3.	ì	nas be copies	ition, in the case that more than one version or copy of a sequence listing and/or table relating thereto en filed or furnished, the required statements that the information in the subsequent or additional is identical to that in the application as filed or does not go beyond the application as filed, as priate, were furnished.
4.	Addit	ional d	comments:
_	Box	No. II	Priority
1.	r	does n equire	lidity of the priority claim has not been considered because the International Searching Authority ot have in its possession a copy of the earlier application whose priority has been claimed or, where d, a translation of that earlier application. This opinion has nevertheless been established on the ption that the relevant date (Rules 43 <i>bis</i> .1 and 64.1) is the claimed priority date.
2.	r	ias be	pinion has been established as if no priority had been claimed due to the fact that the priority claim en found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international ate indicated above is considered to be the relevant date.
3.	Addit	ional c	observations, if necessary:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/009813

	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
The	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:							
	the entire international application,							
\boxtimes	claims Nos. 21							
bed	ause:							
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):							
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):							
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.							
\boxtimes	no international search report h	as b	een established for the whole application or for said claims Nos. 21					
	the nucleotide and/or amino acid C of the Administrative Instruction	d sec	quence listing does not comply with the standard provided for in Annex in that:					
	the written form		has not been furnished					
			does not comply with the standard					
	the computer readable form		has not been furnished					
			does not comply with the standard					
	the tables related to the nucleot not comply with the technical re	ide a quire	and/or amino acid sequence listing, if in computer readable form only, do ements provided for in Annex C-bis of the Administrative Instructions.					
	See separate sheet for further details							

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/009813

_	Box N	o. IV	Lack of unity of in	ventio	1						
1.	⊠ In	respo	onse to the invitation (Form F	PCT/ISA/20	06) to pay ac	lditional fee	s, the appl	icant has:		
			paid additional fees.								
			paid additional fees u	nder pr	otest.						
		⊠	not paid additional fee	ės.							
2.	□ Th	is Au app	thority found that the licant to pay additiona	require I fees.	ment of u	nity of invent	ion is not co	omplied wit	th and cho	ose not to i	nvite
3.	This Au	uthori	ty considers that the r	equire	ment of ur	nity of invent	on in accor	dance with	Rule 13.1	I, 13.2 and	1 13.3
	□ com	plied	with								
	⊠ not	comp	olied with for the follow	ing rea	asons:			12	. •		
	se	e sep	parate sheet								
4.	Consec	quent	ly, this report has bee	n estat	olished in	respect of th	e following	parts of the	e internation	onal applic	ation:
	□ all p	arts.									
	the	parts	relating to claims Nos	s. 1-20							
	Box No		Reasoned stateme pplicability; citations	nt und	er Rule 4 explanation	3 <i>bis</i> .1(a)(i) ons support	with regard	to novelt	y, inventi	ve step or	<u>-</u>
1.	Statem	ent									
	Novelty	(N)		Yes: No:	Claims Claims	1-20					
	Inventiv	e ste	ep (IS)	Yes: No:	Claims Claims	1-20					
	Industri	al ap	plicability (IA)	Yes: No:	Claims Claims	1-20					
2.	Citation	ıs and	d explanations								

see separate sheet

10/587766

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

AP20 Rec'd PSTATU Remational application No.

PCT/US2005/009813

Reference is made to the following documents:

D1: US 5 795 361 A (LANIER, JR. ET AL) 18 August 1998 (1998-08-18)

D2: EP 0 726 389 A (FILTERWERK MANN &; HUMMEL GMBH) 14 August 1996

(1996-08-14)

D3: WO 03/084641 A (DONALDSON COMPANY, INC) 16 October 2003 (2003-10-

16)

Re Item IV

Lack of unity of invention

Specification according to rule 40.1 PCT of the reasons for which the international application PCT/US2005/009813 is a posterior not considered as complying with the requirement of unity of invention according to art.3(4) and rule 13 PCT.

According to the administrative instruction under the PCT (as in force from July 1, 1998), annex B. part 1(c), unity of invention has to be considered in the first place only in relation to the independent claims.

One (1) independent apparatus claim (1) and two (2) independent method claims (19,21) are mentioned in the application.

The international Searching Authority has identified the following groups of invention:

1. Claims: 1 ar

1 and its dependent claims 2-18

20 and its dependent claim 20

2. Claims:

21

It appears that within these groups of claims unity does not exist for the following reasons:

A- Assessing the link between the groups of independent claims [1,19], [21] on the basis of common or corresponding special (new and inventive) technical features or concept:

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The common / corresponding technical features between these groups of claims are:

- a preform and a coiled z-filter media pack

Those features are well known by the person skilled in the art (see document D3: WO 03/084641) and can therefore, a posteriori not be considered as special (new and inventive) technical features. Thus no "common" or "corresponding" special technical features could be found between the independent claims groups [1,19] and [21] as required by Rule 13.2 PCT.

No common problem solved by the groups of claims could be found, which could serve as the general inventive concept required by Rule 13.1 PCT.

B- Two (2) groups of invention as already mentioned above could be discovered within the application.

Re Item V.

1 INDEPENDENT CLAIM 1

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1,19 does not involve an inventive step in the sense of Article 33(3) PCT.

The document D1 (see also D2) is regarded as being the closest prior art to the subject-matter of claims 1,19 and discloses (column 1 line 63- column 2 line 13; Column 3 line 51 - column 4 line 3): an air filter element comprising a pleated filter media. Said media is disposed within a plastic frame and retained therein by the same material which is used to form a gasket for sealing a housing in which the filter element is mounted. The gasket is cast molded around the outer periphery of the frame over a plurality of interlocking tabs.

The subject-matter of claim therefore differs from this known D1 in that the media pack is a z-filter media pack comprising fluted media secured to facing media.

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The problem to be solved by the present invention may therefore be regarded as to use an alternative type of filter element for filtering air.

The solution proposed in claims 1,19 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons.

Feature "z-filter media pack comprising fluted media secured to facing media" is described in document D3 as providing the same advantages as in the present application. The skilled person would therefore regard it as a normal option to include this feature in the air filter described in document D1 in order to solve the problem posed.

2 DEPENDENT CLAIMS 2-18,20

Dependent claims 2-18, 20 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step.